

I. AMENDMENT

Please amend the claims as follows. The following listing of claims will replace all prior versions and listings of claims in the application.

1-51. (Cancelled)

1 52. (Currently Amended) An apparatus comprising a chamber having an inlet port and an outlet port, said chamber containing an immobilized antigenically-active native Rh blood group antigen protein or peptide.

2 53. (Original) The apparatus of claim 52, wherein said chamber is cylindrical.

3 54. (Original) The apparatus of claim 52, wherein said protein or peptide is a mammalian antigen.

55. (Cancelled)

4 56. (Currently Amended) The apparatus of claim 55 54, wherein said Rh antigen is a human Rh antigen or a rabbit homolog of a human Rh antigen.

5 57. (Original) The apparatus of claim 56, ⁴ wherein said antigen is a D antigen, a C antigen, a C antigen, an E antigen, an A antigen, a B antigen, or an F antigen.

6 58. (Original) The apparatus of claim 52, further comprising a pump.

7 59. (Original) The apparatus of claim 52, wherein said protein or peptide is immobilized onto a glass, plastic, acrylate, methylmethacrylate, Sepharose, agarose, nylon, fiber, or glass wool support.

8 60. (Currently Amended) The apparatus of claim 52, wherein said protein or peptide is immobilized under conditions of low pH wherein the pH is from about pH 1 to about pH 6.

61. (Cancelled)

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4 62. (Original) The apparatus of claim 61, wherein said pH is from about pH 2.4 to about pH 4.5.

10 63. (Original) The apparatus of claim 52, wherein said antigen is immobilized in the
4 presence of an amphoteric or zwitterionic buffer.

11 64. (Original) The apparatus of claim 63, wherein said buffer is EDTA, WRA, MOPS,
HEPES, glycine, alanine, Bis-Propane or Bis-Tris.

12 65. (Currently Amended) The apparatus of claim 63, wherein said buffer is present at a
concentration of from about 0.01% (weight/volume) to about 5% (weight/volume).

13 66. (Currently Amended) The apparatus of claim 65, wherein said buffer is present at a
concentration of from about 1% (weight/volume) to about 4% (weight/volume).

67-77. (Canceled)

14 78. (New) The apparatus of claim 52, wherein the protein or peptide is antigenically-active
when the pH is from about pH 1 to about pH 6 during use of the apparatus.

15 79. (New) The apparatus of claim 78, wherein the pH is from about pH 2.4 to about pH 4.5.

16 80. (New) The apparatus of claim 52, wherein the protein or peptide is antigenically-active
for a period of at least 4 hours during use of the apparatus.

17 81. (New) The apparatus of claim 64, wherein the buffer is WRA.

82. (New) The apparatus of claim 52, wherein the protein or peptide is immobilized onto a
petri dish, a test tube, a vial, a microscope slide, an ELISA plate, a microtiter dish, or a culture
plate.

18 83. (New) The apparatus of claim 52, further comprising an immunoaffinity column or
matrix.

19 84. (New) The apparatus of claim 52, wherein said protein or peptide is linked to a
detectable label.

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85 (New) The apparatus of claim 84, wherein said detectable label is a radioactive label, a fluorogenic label, a nuclear magnetic spin resonance label, biotin, or an enzyme that generates a colored product upon contact with a chromogenic substrate.

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